

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number
WO 2005/030249 A1

(51) International Patent Classification⁷: **A61K 39/00,**
A61P 37/02

THOMAS, Wayne [AU/AU]; 31 Taylor Road, Nedlands,
W.A. 6009 (AU). **TOBAGUS, Titlek, Irlani** [ID/ID];
Kartini Raya 64 No. C25, Jakarta 10750 (ID).

(21) International Application Number:
PCT/AU2004/001333

(74) Agent: **GRIFFITH HACK**; Level 6, 256 Adelaide Ter-
race, Perth, W.A. 6000 (AU).

(22) International Filing Date:
29 September 2004 (29.09.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003905314 30 September 2003 (30.09.2003) AU

(71) Applicant (for all designated States except US):
**TELETHON INSTITUTE FOR CHILD HEALTH
RESEARCH** [AU/AU]; Princess Margaret Hospital for
Children, Roberts Road, Subiaco, W.A. 6008 (AU).

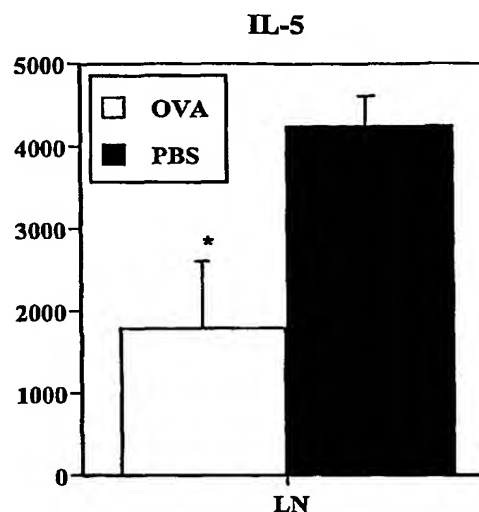
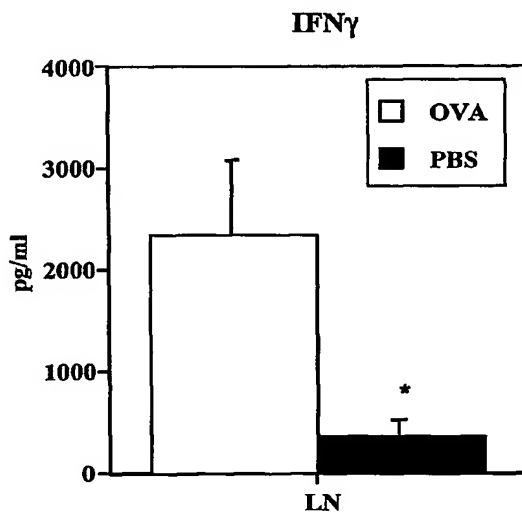
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HOLT, Patrick**
[AU/AU]; 22 Monash Avenue, Nedlands, W.A. 6009 (AU).

[Continued on next page]

(54) Title: IMMUNOTHERAPY METHOD



(57) Abstract: The present invention relates to the use of immunomodifying agents to effect change in the T helper-type 1 (TH1) or T helper-type 2 (TH2) arms of the immune response and thereby treat TH1 or TH2 mediated diseases. In particular, the present invention relates to a method of altering a specific immune response in an individual comprising: i). administering to an individual in need thereof an effective amount of an antigen in immunotherapeutic form, wherein said immune response is down regulated; and ii). subsequently administering to the individual an effective amount of an immunomodifying agent comprising said antigen in immunogenic form.



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.